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TO : Distribution March 2, 1957
FROM : Robert L. Corbie, Director, Civil Effects Test Group
SUBJECT: ORGANIZATION AND PROGRAM CONTENT, CIVIL EFFECTS TESTS,
OPERATION PLUMBBOB
SYMBOL : BMC:RLC

The attachments are forwarded to you for information and retention.
They comprise:

- (1) organization chart designating individuals responsible for scientific and technical programs
- (2) organization chart designating individuals responsible for staff and support functions
- (3) schedule of programs and projects giving sponsors and performing agencies

The afore-going implements the program briefly described in AEC 944, Appendix "D", "Civil Effects Tests Proposed for 1957 Nuclear Test Series at NTS."

The field execution of the Civil Effects Test Projects will be accomplished as part of the Test Organization under Gerald W. Johnson, Scientific Test Director, Nevada Test Site.

ATTACHMENTS:
as described above

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BY John A. [unclear] DATE 6/4/57

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ORGANIZATION AND PROGRAM CONTENT
CIVIL EFFECTS TESTS
OPERATION PLUMBBOB

W. F. Libby, Commissioner
Secretariat
K. E. Fields, General Manager
R. W. Cook, Deputy General Manager
R. E. Hollingsworth, AGM for Administration
Paul F. Foster, AGM for IA
D. F. Shaw, AGM for Manufacturing
A. Tammaro, AGM for R&D
H. B. Traynor, Assistant General Manager
Charles Vanden Bulek, Special Assistant to GM
Bryan F. LaPlante, Special Assistant to GM
All Washington Division Directors
Wm. Mitchell, General Counsel
Don S. Burrows, Controller
Manager, ALO
Manager, San Francisco Operations
Oak Ridge Operations Attention: Dr. Herman Roth
New York Operations
Norris Bradbury, Director, LASL
Herbert F. York, Director, UCRL
James W. McBue, President, SANDIA
James E. Reeves, Test Manager
Gerald W. Johnson, Test Director
Alvin C. Graves, Scientific Advisor to Test Manager
Raoul Archambault, Jr., ECDA
Chief, AFWSP, DOD
Col. C. S. Muepin, SGO, USA

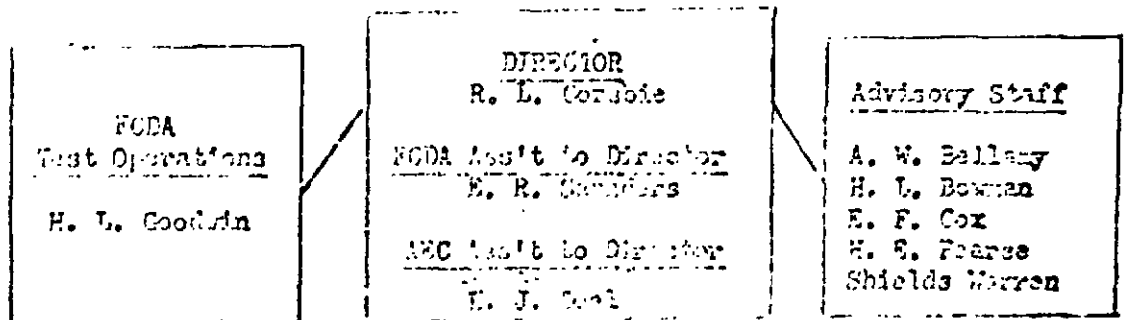
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Nuclear Site Organization
OF SAISON FROM 1963

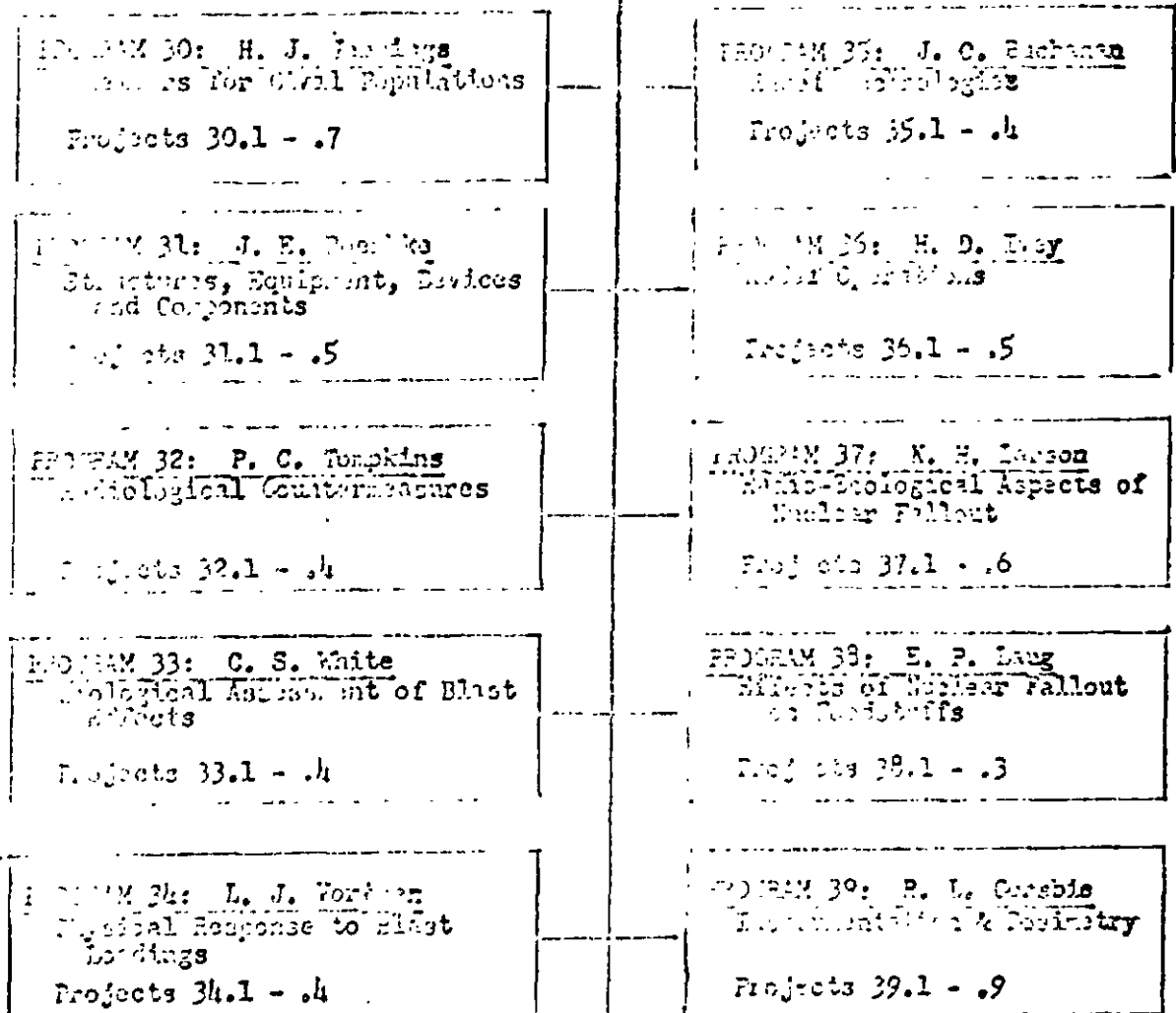
February 7,

CIVIL DEFENSE TEST GROUP

Organization

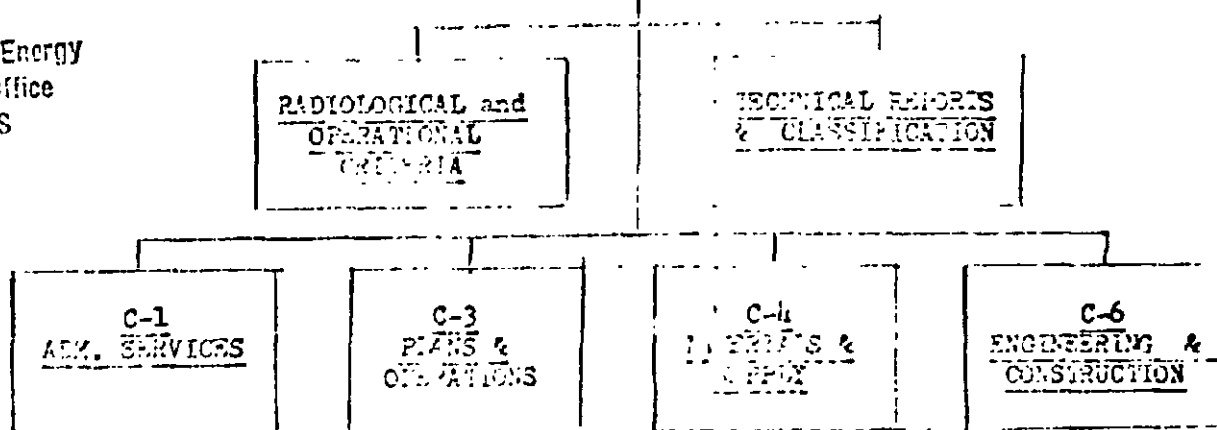


SCIENTIFIC and TECHNICAL PROGRAMS



STAFF and SUPPORT FUNCTIONS

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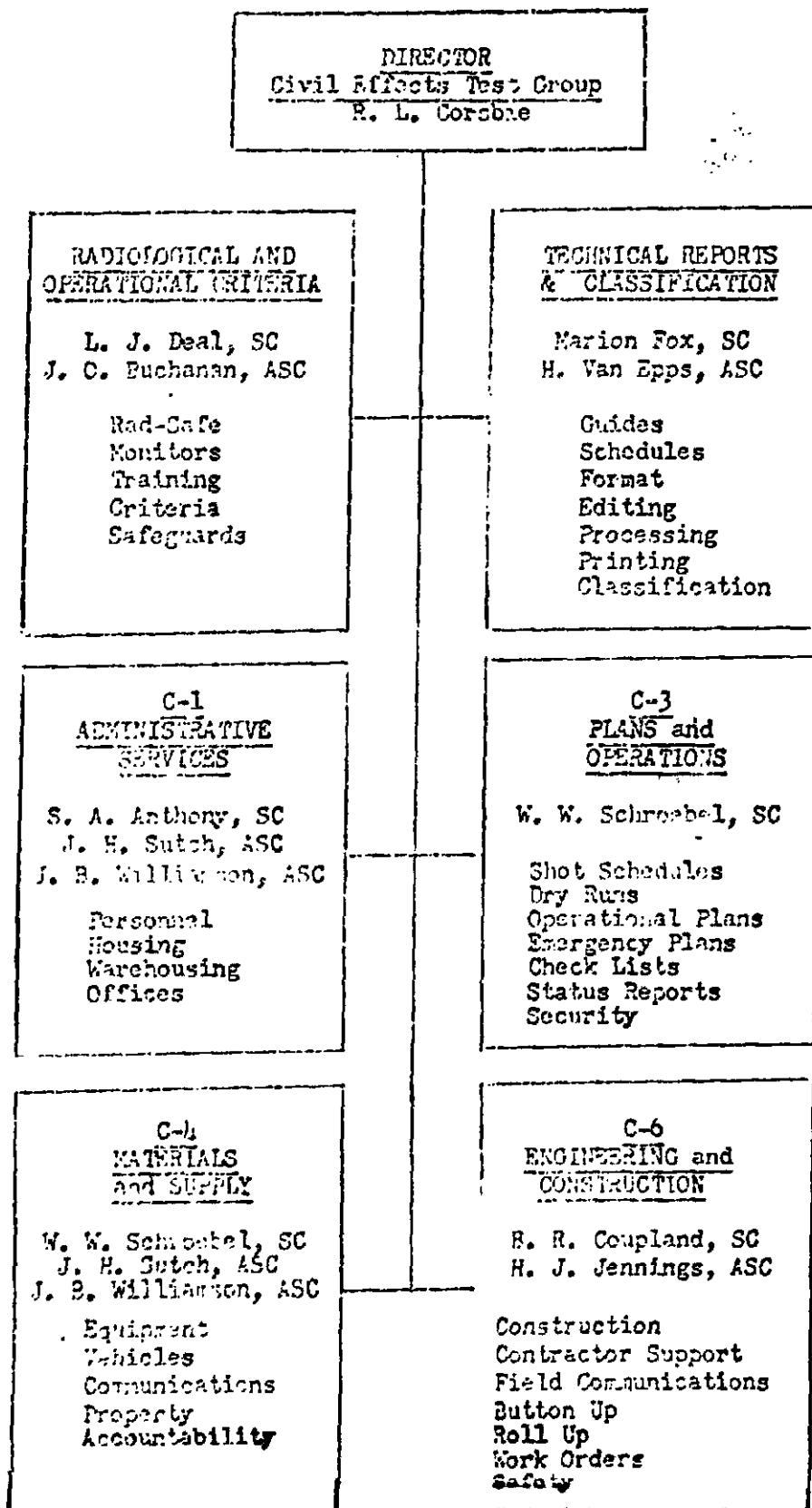
UNITED STATES ATOMIC ENERGY COMMISSION
Nevada Test Organization

February 7, 1957

OPERATION PLUMBOB

CIVIL EFFECTS TEST GROUP

Staff and Support Functions



Pending further notice, and except as covered in CETG No. 2, dated November 20, 1956, the address of all staff and support functions will be:

R. L. Corsbie
Director, CETG
U.S. Atomic Energy Commission
Washington 25, D. C.

Attention: CETG/PMOC, CETG/TRAC, CETG/C-1, CETG/C-3, CETG/C-4 or CETG/C-6

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CIVIL EFFECTS TEST GROUP
Continental Tests
Operation PLUMBBOB

R. L. Corsbie, Director

PROGRAMS

Program 30	Shelters for Civil Populations
Program 31	Structures, Equipment, Devices and Components
Program 32	Radiological Countermeasures
Program 33	Biological Assessment of Blast Effects
Program 34	Physical Response to Blast Loadings
Program 35	Radiological Defense Technologies
Program 36	Radiological Defense Operations
Program 37	Radio-Ecological Aspects of Nuclear Fallout
Program 38	Effects of Nuclear Fallout on Foodstuffs
Program 39	Instrumentation and Dosimetry

U. S. Atomic Energy Commission
October 9, 1956
(Revised February 9, 1957)
(Revised February 26, 1957)

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CIVIL EFFECTS TEST GROUP
Continental Tests
Operation PLUMBBOB

R. L. Corsbie, Director

SCHEDULE OF PROGRAMS AND PROJECTS

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officer</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 30</u>	Shelters for Civil Populations	H. J. Jennings	FCDA/Ind
Project 30.1	Pilot Test of Reinforced Concrete Dome Mass Shelter	J. K. Buckley	A&W
Project 30.2	Response of Dual Purpose Rein- forced Concrete Mass Shelter	E. Cohen	A&W
Project 30.3	Resistance of Family Shelters to Nuclear Effects	L.N.Fitzsimons	FCDA
Project 30.4	Response of Protective Vaults to Blast Loadings	E. Cohen	A&W/Ind
Project 30.5	Shelter and Structure Blast Instrumentation	J.J.Meszáros	BRL
Project 30.6	Structural Test-French Shelter	E. Cohen	A&W
Project 30.7	Structural Test-German Shelter	E. Cohen	A&W

10/9/56
Revised 2/9/57

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Operation PLUMBBOB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 31</u>	Structures, Equipment, Devices and Components	J. E. Roembke	FCDA/Ind
Project 31.2	Thermal Activated Air Zero Locators	F. C. Allen	FCDA/NES/E
Project 31.2	Effects on Reinforced Masonry Construction	C. B. Monk, Jr.	Ind
Project 31.3	Nuclear Effects on Civil Air Transport	D.W. Bluestone	CAA/DATA
Project 31.4	Behavior of Doors Under Blast Loading	L.N. Fitzsimons	FCDA
Project 31.5	Test and Evaluation of Pressure- Sensitive Valves and Ventilation Equipment	F. C. Allen	FCDA

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Operation PLUMBREOB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM.32</u>	Radiological Countermeasures	P. C. Tompkins	AEC/ECDA/DOD
Project 32.1	Attenuation Factors--Shielding and Decontamination	A. J. Breslin	HASL
Project 32.2	Field Use and Development of Aerial Radiological Monitoring System	H. Levine	HASL
Project 32.3	Systems Operation Exercise and Evaluation	W. E. Strobe	NRDL
Project 32.4	Fallout Distribution and Radiation Countours-Low Yield Detonation	L. E. Egberg	NRDL

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Operation PLUMBBOB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 33</u>	Biological Assessment of Blast Effects	C. S. White	AEC/FCDA/DOD
Project 33.1	Primary and Tertiary Blast Effects	D. R. Richmond	LF
Project 33.2	Missiles Secondary to Nuclear Blast	I. G. Bowen	LF
Project 33.3	Displacement Potential of Blast	R. V. Taborelli	LF
Project 33.4	Missile Studies with a Biological Target	I. G. Bowen	LF

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Operation PLUMBBOB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 34</u>	Physical Response to Blast Loadings	L. J. Vortman	AEC/SC
Project 34.1	Effects of a Non-Ideal Shock Wave on Blast Loading	L. J. Vortman	SC
Project 34.2	Comparison Test of Reinforcing Steels	R. H. Carlson	SC/HN
Project 34.3	Evaluation of Nuclear Effects on AEC Test Structures	R. A. Williamson	SC/HN
Project 34.4	Systems Test of AEC absolute Filters	R. Dennis	HU

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Operation PLUMBBOB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 35</u>	Radiological Defense Technologies	J.O. Buchanan	FCDA/DC/Ind
Project 35.1	Shielding From Fallout Gamma Radiation	F. Titus	FCDA/NBS
Project 35.2	Decontamination Procedures in Residential Areas	E. Shaw	FCDA
Project 35.3	Radiological Defense Monitoring Techniques	F. Oleson	FCDA/CAP
Project 35.4	Evaluation of Civil Defense Radiological Instruments	J. H. Tolan	FCDA/Ind

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Operation PLUMBBOB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 36</u>	Radiological Defense Operations	H. D. Ivey	FCDA
Project 36.1	Field Radiological Defense Technical Operations	B. C. Killian	FCDA
Project 36.2	Radiological Defense Monitoring and Data Evaluation	M. J. Stangler	FCDA
Project 36.3	Radiological Defense Operations Photography	M. Lobdell	FCDA
Project 36.4	Aerial Monitoring Operations Development	F. R. Rehm	FCDA/CAP
Project 36.5	Radiological Defense Training Operation	C. T. Rainey	FCDA/STATE

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Operation PLUMBBOB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 37</u>	Radio-Ecological Aspects of Nuclear Fallout	K. H. Larson	AEC/DOD/DA
Project 37.1	Biological Accumulation of Fission Products Fallout	R. G. Lindberg	AEP
Project 37.2	Biophysical Aspects of Fallout Phenomenology	J. W. Neel	AEP
Project 37.2a	Identification and Documentation --Physical Aspects of Fallout	J. W. Neel	AEP
Project 37.3	Fallout Materials on Agricultural Environments	K. H. Larson	AEP
Project 37.4	Measurement of Fast Neutron Doses by Germanium Dosimeters	B. Cassen	AEP
Project 37.5	Measurement of Ionizing Radiation by Chemical Methods	G. V. Taplin	AEP
Project 37.6	Applications of Radio-Ecology Techniques	J. Rust	AEP/DA/DOD

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Operation PLUMBROB

<u>Program and Project Nos.</u>	<u>Program and Project Titles</u>	<u>Program Director and Project Officers</u>	<u>Sponsor and Performing Agency</u>
<u>PROGRAM 38</u>	Effects of Radioactive Fallout on Foodstuffs	E. P. Laug	AEC/FCDA/ DEEW/DA
Project 38.1	Contamination of Processed Foods, Containers and Packaging	S. Rowe	FCDA
Project 38.2	Contamination of Raw Agricultural Products		DA
Project 38.3	Measuring and Monitoring Training Exercise--Foodstuffs	H. McConnel	FDA

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Revised 2/26/57

Operation PLUMBEOB

Program and Project Nos.	Program and Project Titles	Program Director and Project Officers	Sponsor and Performing Agency
<u>PROGRAM 39</u>	Instrumentation and Dosimetry	R. L. Corsbie	AEC/FCDA/DOD
Project 39.1	Gamma and Neutron Radiation Measurements	S. Sigoloff	OR/EGG
Project 39.2	Static and Dynamic Pressure Measurements		SC
Project 39.3	Thermal Radiation Measurements		
Project 39.4	Technical Photography	S. A. Anthony	EGG
Project 39.5	Radiation Dosimetry for Human Exposures	G. S. Hurst PO P.S. Harris APO J.E. Pickering APO	ORNL/LASL/ SAM
Project 39.6	Radiation Studies and Human Evaluation	J.E. Pickering PO G.S. Hurst APO P.S. Harris APO	SAM/ORNL/ LASL
Project 39.7 39.7a	Delayed Effects of Bomb Radiation Effects of Bomb Radiation on large animals	P.S. Harris PO G.S. Hurst APO J.E. Pickering APO	LASL/ORNL/ SAM / SGO
Project 39.8	Depth Dose Studies with Initial Bomb-Gamma Radiation	G. Ierie	NMRI/ETL/
Project 39.9	Remote Radiological Monitoring	S. Sigoloff	AEC/FCDA

Note: Certain Project Officer designations are tentative.

R. L. Corsbie
R. L. Corsbie
U.S.A.E.C.
Washington, D. C.

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Revised 2/9/57
Revised 2/26/57